



UL 25A

STANDARD FOR SAFETY

Meters for Gasoline and Gasoline/Ethanol Blends
with Nominal Ethanol Concentrations up to 85
Percent (E0 - E85)

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UL Standard for Safety for Meters for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 - E85), UL 25A

First Edition, Dated July 30, 2014

Summary of Topics

This first edition of the Standard for Meters for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 - E85), ANSI/UL 25A, covers positive displacement liquid meters for use with motor fuels.

The requirements are substantially in accordance with Proposal(s) on this subject dated April 18, 2014.

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The requirements in this Standard are now in effect, except for those paragraphs, sections, tables, figures, and/or other elements of the Standard having future effective dates as indicated in the note following the affected item. The prior text for requirements that have been revised and that have a future effective date are located after the Standard, and are preceded by a "SUPERSEDED REQUIREMENTS" notice.

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July 30, 2014

1



ANSI/UL 25A-2014

UL 25A

**Standard for Meters for Gasoline and Gasoline/Ethanol Blends with
Nominal Ethanol Concentrations up to 85 Percent (E0 - E85)**

Prior to the first edition, the requirements for the products covered by this standard were included in the Outline of Investigation for Meters for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 - E85), UL 25A.

First Edition

July 30, 2014

This ANSI/UL Standard for Safety consists of the First Edition.

The most recent designation of ANSI/UL 25A as an American National Standard (ANSI) occurred on July 30, 2014. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, Title Page, or effective date information.

Comments or proposals for revisions on any part of the Standard may be submitted to UL at any time. Proposals should be submitted via a Proposal Request in UL's On-Line Collaborative Standards Development System (CSDS) at <http://csds.ul.com>.

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CONTENTS

INTRODUCTION

1 Scope	5
2 General	6
2.1 Components	6
2.2 Units of measurement	6
2.3 Undated references	6
3 Glossary	6

CONSTRUCTION

4 General	7
5 Assembly	7
6 Materials	7
6.1 Metallic materials	7
6.2 Nonmetallic materials	10
6.3 Casting impregnation materials	13
6.4 Internal parts	13
6.5 Blending options	13
7 Bodies and Covers	14
8 Register-Shaft Seals	14
9 Springs	14
10 Piping and Fittings	15

PERFORMANCE

11 General	16
12 Long Term Exposure Test	17
12.1 General	17
12.2 Samples	17
12.3 Method	18
12.4 Results	18
13 High Pressure Leakage Test	19
14 Endurance Test	19
15 Hydrostatic Strength Test	20
16 Deformation Test	20
17 Temperature Reduction Test	21
18 10-Day Moist Ammonia-Air Stress Cracking Test	21
19 Marking Adhesion Test	21
20 Blending Cycling Test	22

MANUFACTURING AND PRODUCTION

21 General	22
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MARKING

22 General	23
23 Permanence of Marking	24

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SUPPLEMENT SA - Test Fluids

SA.1 Details SA1



INTRODUCTION

1 Scope

1.1 These requirements cover positive displacement liquid meters for use with motor fuels. Motor fuels, as defined by these requirements, include one or more of the fuels described in 1.2.

1.2 Meters covered by these requirements are intended for use with one or more of the following as applicable:

- a) Gasoline formulated in accordance with the Standard Specification for Automotive Spark-Ignition Fuel, ASTM D4814;
- b) Gasoline/ethanol blends with nominal ethanol concentrations up to 25 percent ethanol (E25), consisting of gasoline formulated in accordance with the Standard Specification for Automotive Spark-Ignition Fuel, ASTM D4814, when blended with denatured fuel ethanol formulated to be consistent with the Standard Specification for Denatured Fuel Ethanol for Blending With Gasolines For Use as Automotive Spark Ignition Engine Fuel, ASTM D4806; or
- c) Gasoline/ethanol blends with nominal ethanol concentrations above 25 percent formulated in accordance with the Standard Specification in (b) above or formulated in accordance with the Standard Specification for Ethanol Fuel Blends for Flexible-Fuel Automotive Spark Ignition Engines, ASTM D5798.

1.3 Meters covered by this standard are for use in accordance with the National Fire Protection Association's Flammable and Combustible Liquids Code, ANSI/NFPA 30, and the Code for Motor Fuel Dispensing Facilities and Repair Garages, ANSI/NFPA 30A.

1.4 These requirements do not cover:

- a) Meters for use with fuels other than as described in 1.2;
- b) Velocity meters, head meters, or area meters;
- c) Meters for use in centralized fuel oil distribution systems; and
- d) Meter components incorporating electrical circuits except those meeting intrinsically safe or explosion standards.

1.5 Determinations of the suitability of registers, counters, or computers used or provided with these meters, or the accuracy of measurement resulting from or required in actual application are not within the scope of these requirements.